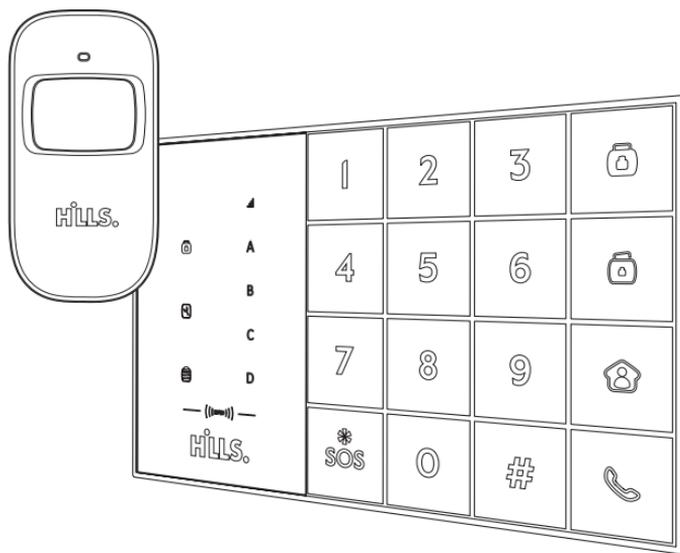


# Wireless DIY security alarm starter kit

## User guide



**HILLS.**<sup>TM</sup>



## 2

## Features

<b>1</b>	<b>Introduction</b>	<b>3</b>
1.1	Box Content .....	3
1.2	Features .....	3
1.3	Recommendations .....	4
1.4	Warnings .....	4
<b>2</b>	<b>Easy Install</b>	<b>5</b>
2.1	Insert SIM card into the alarm panel and install in desired location .....	5
2.2	Register accessories with the alarm panel .....	6
2.3	Download App and set your personal alarm settings .....	7
<b>3</b>	<b>Alarm settings</b>	<b>8</b>
3.1	Enter Setup Mode .....	8
3.2	Exit Setup Mode .....	8
3.3	Store phone numbers .....	8
3.4	Delete phone numbers .....	9
3.5	Change password .....	9
3.6	Set Siren volume .....	9
3.7	Set Siren ring time .....	9
3.8	Set Entry and Exit delay .....	9
3.9	Clear connected sensors .....	9
<b>4</b>	<b>Control your alarm</b>	<b>10</b>
4.1	Arm your system .....	10
4.2	Disarm your system .....	10
4.3	Home mode .....	10
4.4	Mute mode .....	10
4.5	Emergency mode .....	10
4.6	Make a phone call .....	11
4.7	Speed Dial .....	11
4.8	Remotely control your alarm .....	11
<b>5</b>	<b>Responding to an alarm</b>	<b>12</b>
<b>6</b>	<b>Specifications</b>	<b>13</b>
6.1	Alarm panel .....	13
6.2	Wireless remote .....	16
6.3	Wireless motion sensor .....	17
6.4	Wireless door/window sensor .....	20
6.5	RFID Tag .....	22
6.6	SMS operation .....	23
6.7	Assign sensors to zones .....	28
<b>7</b>	<b>FAQ</b>	<b>30</b>

Thank you for purchasing the Hills Wireless Security Alarm DIY Starter Kit.

Please read this manual carefully to get the best use out of this product. Keep this manual for future reference.

## 1 Introduction

### 1.1 Box Content

- 1 x Alarm Panel (with internal siren)
- 2 x Remote Controls
- 1 x Wireless Motion Sensor
- 1 x Wireless Window/Door Sensor
- 2 x RFID Tags
- 1 x AC Adaptor
- 2 x 800 mAh Batteries  
(8hr in standby mode)
- 2 x Security Warning Stickers

**NOTE:** You will need to supply your own SIM card for use with this system

### 1.2 Features

- Wireless alarm system
- Easy to install
- Remote access control via phone
- Supports up to 50 wireless sensors and associated accessories
- Easy registration of new accessories
- Built-in 120dB siren to deter potential intruders
- Store up to 5 phone numbers and 5 SMS numbers
- Arm, disarm and monitor remotely via phone



# 4

## 1. Introduction

### 1.3 Recommendations

For your safety, it is recommended to follow these precautions:

- Do not forget to arm the alarm panel during your absence and make sure it works properly.
- Do not forget to lock the doors, windows and other exits.
- Always keep your remote control with you and do not leave it visible or noticeable.
- To optimize the operation of the alarm system, it is recommended to carefully select the location for each accessory to be installed.
- It is recommended to mount the sensors on a smooth wall, to ensure the proper use of the tamper switch.
- Accessories purchased separately must be connected to the alarm panel manually.
- Wait until the end of the auto-test before replacing the cover of the sensor.
- If you do not use this product for a long time, remove the batteries to optimize their lifespan.
- Do not cross the beams of different motion sensors.

### 1.4 Warnings

- The alarm panel is provided with a separate battery. Please dispose the used batteries responsibly.
- Do not open the case of the alarm panel and do not repair it yourself.
- If you encounter an issue with the product, contact your supplier or an authorised technician.
- Take care of this product and do not let water get into it as it may damage the product.
- Place the alarm panel in a cool, dry and well-ventilated area. Do not install sensors near heating, cooling, or ventilation.
- Do not use detergent or other flammable materials to clean this unit.
- Do not let your device fall on the floor.
- Remove the battery holder cover with care.

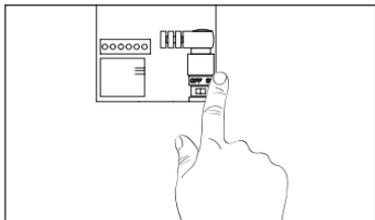
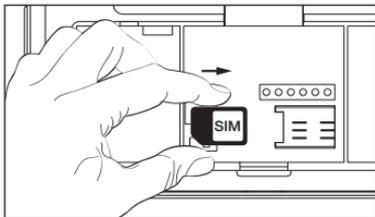
## 2 Easy Install

### 2.1 Insert SIM card into the alarm panel and install in desired location

Your SIM card must support the 2G or 3G network (850/2100Mhz ). The SIM card should have SIMLOCK deactivated.

SIMLOCK can be deactivated using a mobile phone prior to installing the SIM card into your alarm panel.

1. Insert the SIM card (NOT included) in the alarm panel as shown in the image below.
2. Install your alarm panel to your desired location
3. Plug the adaptor into an AC power socket.
4. Switch the alarm panel on.





# 6

## 2. Easy Install

### 2.2 Register accessories with the alarm panel

Remote Controls, Motion Sensors, Window/Door Sensors, RFID Tags and additional sirens must all be registered with the Alarm Panel prior to use.

To register each accessory, you must first enter Registration Mode on the Alarm Panel.

1. On the Alarm Panel, press “#1”
2. The Connection LED indicator will light up to indicate connection mode.

Trigger connection on the accessory you wish to register via the correct method below:

Accessory	Trigger
Wireless remote control	Press any button on the remote control.
Wireless motion sensor	Press the connect button at the back of the sensor or trigger the sensor by moving in front of it.
Wireless window/door sensor	Separate the magnet from the transmitter
RFID Tag	Swipe the RFID tag in front of the RFID reader on the alarm panel
Additional siren	Contact Hills Security for further information

Once you have registered all accessories, exit Registration Mode:

1. Press the “Disarm” key on the alarm panel

Accessories may now be installed following specifications in section 6 of this document.

Additional accessories not listed above may be registered. Consult the relevant accessory manual for trigger details.

### 2.3 Download App and set your personal alarm settings

Remote access control of your alarm and configuration of alarm settings may be performed from your smartphone using the Hills DIY Wireless Security App. This app is available from the Apple App Store or Google Play.

To install the App, use your device to search for "Hills DIY Wireless Security App" and tap "GET". Enter your store password when prompted and the App will be installed to your home screen.

Once the App is installed, tap the App icon to start the app. You will be guided through registering an account for yourself and connecting to your alarm system. You will need to know the mobile number of the SIM card installed in your alarm panel.

**NOTE:** Prior to controlling or configuring the alarm via the App you must program a phone number for SMS notifications. Only stored numbers are allowed to control and configure the system. See section 3.3 for more information.



# 8

## 3. Alarm settings

### 3 Alarm settings

Alarm settings may be configured directly from the alarm panel, via SMS or via the App. This section details direct alarm panel configuration. Instructions for configuration via SMS can be found in Section 6.6 of this manual.

When configuring settings, the alarm panel will sound the words "operation completed" when a change is successful.

#### 3.1 Enter Setup Mode

In order to configure settings, the alarm panel must be in setup mode:

1. Press the "#" key, followed by the "2" key on the alarm panel
2. The "Setup" LED indicator will light up

#### 3.2 Exit Setup Mode

After settings have been configured, you must exit setup mode:

1. Press the "Disarm" key on the alarm panel
2. The "Setup" LED indicator will go out and the system will sound 2 beeps

### 3.3 Store phone numbers

Phone and SMS numbers are defined by ID:

ID	Type of number
1	First phone number control.
2	Second phone number
3	Third phone number
4	Fourth phone number
5	Fifth phone number
6	First SMS number
7	Second SMS number
8	Third SMS number
9	Fourth SMS number
10	Fifth SMS number

ID's 1-5 are used for calls from the alarm system in the event of an alert. ID's 6-10 are used for SMS alert messages. The first stored number is the Speed Dial Number.

1. Enter Setup Mode
2. Enter "#[ID]#[your number]" (do not enter the [ ] signs)

For example to store number "12345678" as the first SMS number, enter "#6#12345678#"

3. Exit Setup Mode

### 3.4 Delete phone numbers

Individual numbers may be deleted by ID.

1. Enter Setup Mode
2. Enter "#[ID]##"

For example to delete the fourth stored SMS number, enter "#9##"

3. Exit Setup Mode

Alternatively, you may delete ALL stored numbers.

1. Enter Setup Mode
2. Enter "#\*##"
3. Exit Setup Mode

### 3.5 Change password

The default system password is "1234". For security reasons it is recommended you set your own 4-digit password.

1. Enter Setup Mode
2. Enter "\*9\*[password]\*"

For example to set the password to 0987, enter "\*9\*0987\*"

3. Exit Setup Mode

### 3.6 Set Siren volume

The alarm system siren may be set to either high (1) or mute (0).

1. Enter Setup Mode
2. Enter "\*23\*[volume]\*"

For example to set the volume to mute, enter "\*23\*0\*"

3. Exit Setup Mode

### 3.7 Set Siren ring time

Siren ring time may be set from 1 to 9 minutes.

1. Enter Setup Mode
2. Enter "\*1\*[minutes]\*"

For example to set the ring time to 7 minutes, enter "\*1\*7\*"

3. Exit Setup Mode

### 3.8 Set Entry and Exit delay

Entry and exit delay may be set from 0 to 300 seconds, using ID "3" for entry and "2" for exit.

1. Enter Setup Mode
2. Enter "\*[ID]\*[seconds]\*"

For example to set the exit delay to 60 seconds, enter "\*2\*60\*"

3. Exit Setup Mode

### 3.9 Clear connected sensors

To clear ALL currently connected accessories:

1. Enter Setup Mode
2. Enter "\*22\*[password]\*"

Where [password] is the 4-digit password you set in section 3.5

3. Exit Setup Mode

## 10 Control your alarm

### 4 Control your alarm

#### 4.1 Arm your system

To arm your system, press the Arm button (  ) on your Alarm panel, remote control or App. The LED indicator on the alarm panel will light up and the alarm panel will beep once.

#### 4.2 Disarm your system

To disarm your system, press the Disarm button (  ) on your Alarm panel, remote control or App. The LED indicator on the alarm panel will go out and the alarm panel will beep twice.

**NOTE:** If the alarm has sounded, the user must type the password and the disarm button to disarm the alarm system. This operation must be completed within 15 seconds.

#### 4.3 Home mode

In home mode, sensors configured in the Home Mode zone are disarmed so you can move around your home. Sensors in all other zones are armed.

To set home mode, press the Home Mode button (  ) on your Alarm panel, remote control or App. The LED indicator on the alarm panel will blink once per second.

#### 4.4 Mute mode

From the remote control, you can prevent the alarm panel beeping when you arm or disarm your system. Press the Home Mode button followed immediately by either the Arm or Disarm button.

#### 4.5 Emergency mode

In an emergency, you can trigger an alarm regardless of the status of the system. Press the SOS button on the remote control, or hold the SOS button on the alarm panel for 3 seconds. Once activated, the alarm panel will send an SMS notification in the form of "RC-01 SOS" (where RC-01 is remote control 1) and call the pre-stored phone numbers to report the SOS.

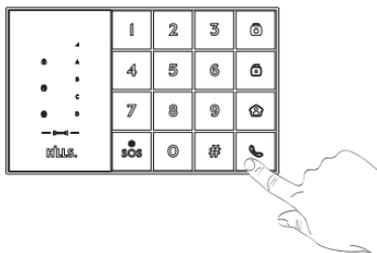
#### 4.6 Make a phone call

The alarm panel supports phone calls:

In disarmed status, type the telephone number and press the  key on the alarm panel.

Press  or  to end the call.

The middle white LED indicator blinks once every 2 seconds during the call. If a phone call is received on the alarm panel, the LED blinks once every second.



#### 4.7 Speed Dial

This function is only available when the system is disarmed.

Press and hold the Call button  on the alarm panel for 3 seconds: the panel auto-dials the first stored phone number.

Press the Call button  to end the call.

#### 4.8 Remotely control your alarm

1. Dial the telephone number of the SIM card using your mobile phone.
2. Enter your password followed by "#".
3. Select the operations required to control the panel (see Section 5 for a table of instructions).

Note: The call will end automatically if no command is received within 30 seconds.



# 12

## 5. Responding to an alarm

### 5 Responding to an alarm

If the system detects an intrusion, the siren will ring out immediately, and the alarm panel will send alert SMS and dial the pre-stored phone numbers.

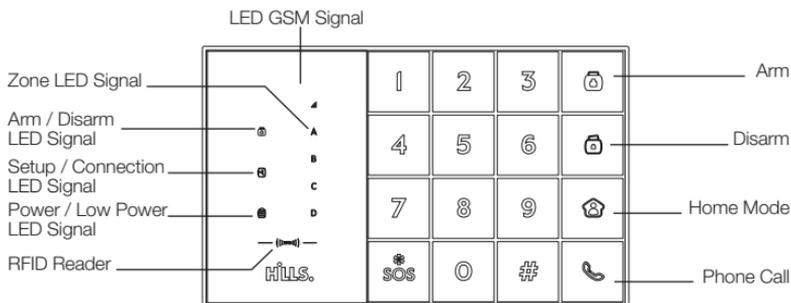
The user can manage the site remotely and control the system by phone when receiving the call from the alarm system.

**Note:** There is no need to type the password to control the system remotely when receiving a call from the alarm system.

Command	Function	Comment
Press "1"	Arms the system	–
Press "0"	<ul style="list-style-type: none"><li>– Disarms the system and turns the siren off</li><li>– Stops monitoring without hanging up</li><li>– Ends the phone call without hanging up</li></ul>	–
Press "*"	Audio monitoring	–
Press "3"	Phone call with alarm panel	–
Press "6"	Turns the siren off	–
Press "9"	Turns the siren on	–
Press "#"	Exits control by phone call	Hanging up also exits the control by phone call.

## 6 Specifications

### 6.1 Alarm Panel



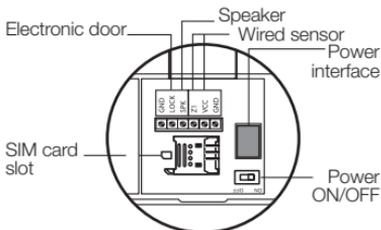
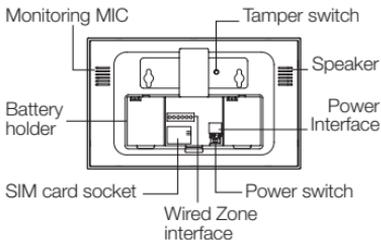
The blue LED is the “Arm / Disarm” status indicator.

If the system is armed, the LED is on.  
If the system is in Home Mode, the LED blinks once every second.

The white LED is the Setup and Connection indicator. In Connection and Setup modes, the LED is on.

The green LED at the bottom is the Power indicator. If the control is properly powered, the LED is on. If the power of the alarm panel is too low (<7V), the LED blinks.

GSM signal LED indicator: when there is no GSM signal or no SIM card, the LED indicator will flash once every second, if GSM retrieves a signal, the LED indicator will flash once every 3 seconds.



**Specifications**

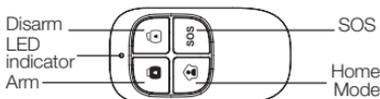
- Power supply:  
Input AC 110~240V-50~60Hz /  
Output DC 12V-800mA
- Internal battery backup: 3.7V /  
800 mAh battery pack x 2
- Internal siren: 120dB
- Quantity of accessories supported:  
60 (including 10 Remote Control)
- Radio frequency: 433MHz ( $\pm 75$  KHz)
- 2G & 3G frequency:  
2G – 850/900/1800/1900MHz  
3G – 850/2100MHz
- Housing material: ABS plastic
- Operating conditions:  
Temperature: -10°C~55°C  
Humidity:  $\leq 80\%$  (non-condensing)
- Panel size (L x W x H):  
200mm x 125mm x 26mm

## 6. Specifications

# 15

Description	Operation	Functions	Remarks
Enter Connection Mode	#1	The system enters into Connection Mode after 1 beep.	
Enter Setup Mode	#2	The system enters into Setup mode after 1 beep.	
Program Ringing Time of the Siren	★1★9★	[9] is the time the siren rings out (in minutes). It can be set from 1 to 9 minutes.	Default setting: 5 minutes.
Exit Delay Time	★2★60★	[60] is the delay set up by the user (in seconds). It can be set from 0 to 300 seconds.	Default setting: no delay (0 seconds.)
Entry Delay Time	★3★60★		
Change Password	★9★new password★	The password can be any 4 digits code	Default password: 1234
Program Phone Numbers	#[1~10]#phone number#	See 4.5 Store Phone Numbers in this manual	[1~5] for phone numbers. [6~10] for SMS numbers.
Delete phone numbers	#[1~10]##	Delete one of the phone numbers.	
Delete All Phone Numbers	#★##	Phone Numbers and SMS Numbers will be cleared from the system.	If no number is stored, the system will not auto dial when the alarm is triggered.
Clear Accessories	★22★password★	Clear every connected accessory.	
Siren setup	★23★0★	Deactivate the siren.	
	★23★1★	Activate the siren	
Exit Setup Mode	Press the Disarm button	The alarm panel beeps twice: Setup mode has been exited.	

### 6.2 Wireless Remote Control



#### Arm the system

Press the Arm button to arm the alarm system. The LED indicator lights up (the alarm panel beeps once). The system is armed.

If an intruder is detected, the siren rings out. (The siren turns off after

3 minutes as per default settings.) In the meantime, the system dials the pre-stored phone numbers automatically.

#### Disarm the system

Press the Disarm button to disarm the alarm system. The LED indicator turns off (the alarm panel beeps twice). The system is disarmed.

#### Home Mode

Press the Home Mode button on the remote control. The system state LED is on and flashes. All the sensors in regular zones are armed except those in the Home Mode zone. The sensors in the Home Mode zone are disarmed so that users can move inside their home.

#### Mute Mode

Press the Home Mode button and the Arm or Disarm button immediately after. The alarm panel will not ring out when you arm or disarm your system.

#### Emergency Mode

Regardless of the status of the system, the alarm is triggered when the SOS button "SOS" is pressed on the remote control.

At the same time, the alarm panel sends a notification by SMS ("RC-01 SOS", 01 being the remote control number) and dials the pre-stored phone numbers.

Register in the alarm panel

Enter Connection Mode on the alarm panel. Press any button on the remote control.

#### Specifications

Power supply: DC 3V  
(CR2025 button battery x1)

Static current: 10 uA

Operating current:  $\leq 7$  mA

Transmission distance:  $\leq 80$  m (in open area)

Radio-frequency: 433MHz ( $\pm 75$ KHz)

Housing material: ABS plastic

Operating conditions:

Temperature:  $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$

Relative Humidity:  $\leq 80\%$  (non-condensing)

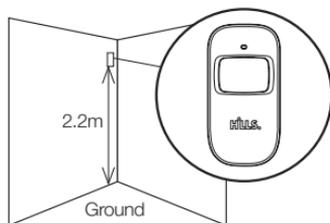
Dimensions: 57 x 31 x 11 mm

### 6.3 Wireless motion sensor

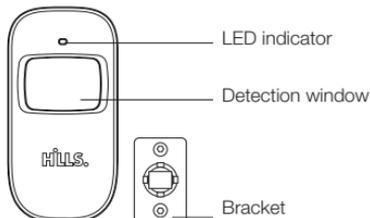
#### Features

The high performance wireless motion sensor boasts a digital dual-core fuzzy logic infrared control chip with intelligent analysis. This technology identifies interferences created by body motion and reduces the false alarm rate.

With automatic temperature compensation and anti-air turbulence technology, it easily adapts to environmental changes.



#### Design



#### LED indications

**Blinks continuously:** self-testing

**Blinks once:** an intruder is detected

**Blinks twice:** self-testing is complete; entering working mode.

**Blinks once every 3 seconds:**  
under-voltage indication: the batteries must be replaced. (You will be informed by SMS when the batteries are low if the motion sensor is registered in the alarm panel.)

### Usage

Open the case and remove the battery activation strip. Self-testing will start for 30 seconds

#### \*Tamper switch

When the alarm system is armed, the tamper switch will trigger the alarm if the case is opened

#### \*\*Infrared sensor

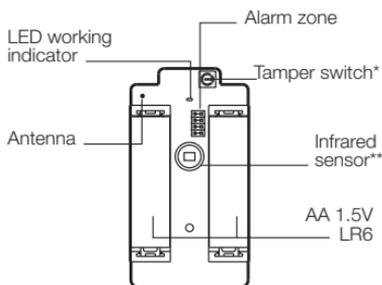
Detects the infrared rays released by human body motion. Do not touch the surface. Keep the surface clean.

When the sensor is in operation, and triggered more than twice within 3 minutes, it switches to standby mode to save power.

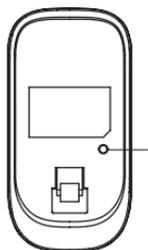
If no movement is detected within the next 3 minutes, the sensor goes back to working mode.

#### Registering the sensor

Enter Connection Mode on the alarm panel. Press the connect button at the back of the motion sensor or trigger the sensor (by moving in front of it).



Connect button



### Installation

Avoid mounting the sensor close to windows, air conditioner, heater, refrigerator, oven, sunshine and places where the temperature changes fast or where the air stream flows frequently.

If two sensors are installed in the same detection scope, adjust the location to avoid interferences and false alarms.

Fix the bracket on the wall with screws and attach the sensor to the bracket. Adjust the bracket to change the detection distance and angle. It is recommended to mount the sensor 2.2m from the ground.

The sensor is more sensitive to cross movements than vertical movements.

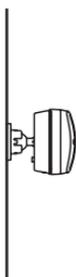
### Test

A. After the installation, turn the sensor on. After one minute of self-testing, press the test button, walk in the scope of detection and watch the LED indicator to make sure the sensor is working.

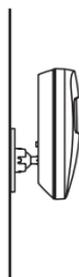
B. The LED indicator blinks once when body movement is detected.

C. Adjust the sensor angle to achieve the best detection performance.

Top view



Side view



### Specifications

Power supply: DC 3V (AA 1.5V LR6

Batteries x 2)

Static current:  $\leq 30 \mu\text{A}$  Alarm current:  
 $\leq 15 \text{ mA}$

Detection scope: 8m / 110°

Transmission distance:  $\leq 80\text{m}$  (in open  
area)

Radio-frequency: 433 MHz ( $\pm 75 \text{ KHz}$ )

Housing material: ABS plastic

Operating conditions:

Temperature:  $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$

Relative humidity:  $\leq 80\%$  (non-  
condensing)

Sensor dimensions (L x W x H): 107 x  
53 x 32 mm

Bracket dimensions (L x W x H): 52 x 30  
x 26.5 mm

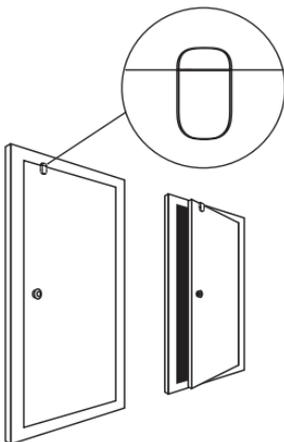
### 6.4 Wireless door/window sensor

#### Features

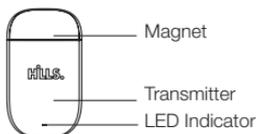
The door/window sensor can be installed on doors, windows, and any other objects that open and close.

The sensor sends signals to the alarm panel when the magnet is separated from the transmitter.

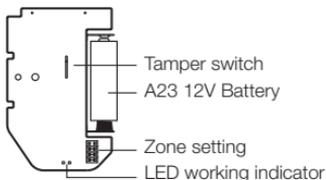
Thanks to the tamper switch, any attempt to remove the cover of the door/window will trigger the alarm.



### Design



### PCB Layout



### LED indications

**Blinks once:** the door or window is open and the transmitter sends a signal to the alarm panel.

**Blinks quickly:** Low power indication: the batteries must be replaced. (You will be informed by SMS when the batteries are low if the door/window contact is registered in the alarm panel.)

### Register in the alarm panel

Enter Registration Mode on the alarm panel. Separate the magnet from the transmitter.

To check if registration is complete, arm the system and separate the magnet from the transmitter again by opening the door or window on which it is installed. If the siren rings out, the registration is successful.

### Installation

- Open the case and remove the battery activation strip.
- Mount the sensor on the door and the magnet on the door frame.
- Make sure the magnet is placed above the transmitter.
- Mount the magnet max. 1 cm away from the transmitter and secure the transmitter and magnet with double-sided tape or screws
- Avoid mounting the sensor in areas with a large amount of metal or electrical wiring, such as a furnace or utility room.

**Specifications**

Power supply: DC 12V (A23 12V Battery x 1)

Static current:  $\leq 30 \mu\text{A}$

Alarm current:  $\leq 15 \text{ mA}$

Transmission distance:  $\leq 80\text{m}$  (in open area)

Radio-frequency: 433 MHz ( $\pm 75 \text{ KHz}$ )

Housing material: ABS plastic

Operating conditions:

Temperature:  $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$

Relative humidity:  $\leq 80\%$  (non condensing)

Sensor dimensions (L x W x H): 60 x 45 x 18 mm

Magnet dimensions (LxWxH): 45 x 19 x 17.5 mm

**6.5 RFID Tag****Features**

The RFID tag enables you to disarm your system. Register the RFID tag to the alarm system. Enter Connection Mode on the alarm panel. Swipe the RFID tag in front of the RFID reader on the alarm panel.

**Design****Specifications**

Dimensions: 36 x 24 x 6mm

## 6.6 SMS Operations

### IMPORTANT: BEFORE USING FOR THE FIRST TIME

INSERT A SIM CARD IN THE ALARM PANEL.

MAKE SURE THE SIM CARD DOES NOT REQUIRE ANY PIN CODE.

SAVE A PHONE NUMBER FOR SMS NOTIFICATIONS.

Only stored numbers can control and configure the system.

Each SMS operation defined in this user manual will be illustrated as follows:

You send:

SMS Command

The first DARK GREY speech bubble is the SMS command sent by the user.

The alarm panel replies:

Alarm panel's reply

The first grey speech bubble is the reply sent by the alarm panel

The speech bubbles that follow are the dialogue between the user and the alarm panel (SMS sent by the user are in DARK GREY, SMS sent by the alarm panel are in grey).

### Store Phone Numbers for SMS notifications

Send:

6

SMS numbers:

- 1.
- 2.
- 3.
- 4.
- 5.

Copy, paste, then edit (case sensitive):

SMS numbers:

- 1.067890033
- 2.067890022
- 3.067890011
- 4.067890000
- 5.

SMS num

1.067890  
2.067890  
3.0678

#### Note:

No space after the "1."

Ok

#### Note:

The first SMS number will receive SMS notifications when the system is disarmed by RFID tag.

**Disarm the system**

Send:

0

System disarmed.

**Settings enquiry**

Send:

00

System: Disarmed  
AC power: On

The values indicated herein above will change after having set up the system.

**Arm the system**

Send:

1

System armed.

**Store phone numbers**

Send:

5

Phone numbers:

- 1.
- 2.
- 3.
- 4.
- 5.

**Home mode**

Send:

2

System in home mode.

Copy, paste, then edit (case sensitive):

Phone numbers:

- 1.067890033
- 2.067890022
- 3.067890011
- 4.067890000
- 5.

Ok

### Rename zones

Send "91~99". For example for zone 1, send:

91

Zones names:  
1.

Copy, paste, then edit (case sensitive):

Zones names:  
1.Entrance door sensor

Ok

**Note:** Zones 1 to 9 can be renamed. The name of the zone cannot consist of more than 30 Latin characters. Zones 10 to 50 cannot be renamed.

### SMS Alert for Accessory Low Battery

(available for two-way accessories such as Motion Sensors)

For accessories assigned to zones that have been renamed, an SMS will be sent under the format "Zone number + zone name + Low BAT".

Zone 10 Bedroom PIR Low BAT

For accessories assigned to zones that have not been renamed, an SMS will be sent under the format "Zone number + Low BAT".

Zone 10 Low BAT

### SMS Alert for Accessory Tamper Alarm

(available for two-way accessories such as Motion Sensors)

For accessories assigned to zones that have been renamed, an SMS will be sent under the format "Zone number + zone name + Tamper".

Zone 10 Bedroom PIR Tamper

For accessories assigned to zones that have not been renamed, an SMS will be sent under the format "Zone number + Tamper".

Zone 10 Tamper

**Rename RFID Tag**

Send:

10

Rename RFID tags:

- 1.
- 2.
- 3.
- 4.

Copy, paste, then edit (case sensitive):

Rename RFID tags:

- 1.Tom
- 2.Nurse
- 3.Nancy
- 4.David

Ok

**Note:** The first SMS number will receive SMS notifications when the system is disarmed by RFID tag.

If the RFID tag that disarms the system has been renamed, the SMS notification will be "Tag 01 Tag name Disarm". ("01" is the number of the tag)

Other tags will be assigned a number based on the order of registration to the alarm panel; the SMS notifications will in such case be "Tag-04 Disarm" ("04" is the number of the tag). Refer to the instructions on page 22 to learn how to register an RFID tag in the alarm panel.

**Entry and Exit Delay Time**

Send:

11

Entry delay time(0-300sec):0  
Exit delay time(0-300sec):0

Copy, paste, then edit (case sensitive):

Entry delay time(0-300sec):10  
Exit delay time(0-300sec):20

Ok

**Note:** This function will only affect sensors assigned to the Delay zone. Refer to the instructions on page 28 of this manual to learn how to set up your sensor to the Delay zone.

This function can be used if you do not want to bring a remote control or a RFID tag with you.

When you arm the system, the system will be armed after the delay set. When you disarm the system, the system will be disarmed after the delay set.

When arming the system, you hear one beep every second to remind you to leave. The beep rhythm speeds up during the last 10 seconds. If an intruder is detected, the alarm will be delayed accordingly

## 6. Specifications

27

### Siren Volume and Ringing Time

Send:

12

Siren volume(0=Mute,1=High):1  
Siren ringing time(1-9min):3

Copy, paste, then edit (case sensitive):

Siren volume(0=Mute,1=High):0  
Siren ringing time(1-9min):1

Ok

### Change the Password

Send:

13

Disarm password (4 digits):  
1234

Copy, paste, then edit (case sensitive):

Disarm password (4 digits):  
8888

Ok

**DEFAULT PASSWORD: 1234**

### Restore System to Factory Settings by SMS

Send:

0000

Ok

The settings will be restored to default values. Stored phone numbers and connected accessories will also be deleted.

**Note:** Only stored numbers can send the SMS to restore factory settings.

### Hard Reset

Turn the alarm panel on (if the alarm panel is already on, turn it off and turn it on again). Press the tamper switch at the back of the alarm panel 5 times within 5 seconds after having turned it on.

Settings will be restored to default values. Stored phone numbers and connected accessories will be cleared.

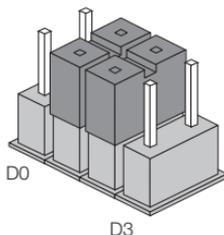
### 6.7 Assign sensors to zones

Every sensor can be assigned to four different categories of zones: Home Mode Zone, Delay Zone, Normal Zone and 24hZone. To assign a sensor to a zone, open its case and place its jumpers according to the drawing below:

#### Home mode zone

When the system is armed in Home Mode, the sensors assigned to the Home zone do not trigger an alarm.

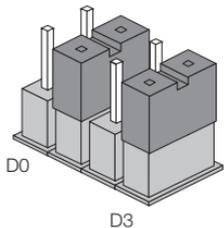
It is recommend to assign motion sensors to the Home zone so that you can have your system armed in Home Mode when you are home and moving inside your home without triggering any alarm.



#### Delay zone

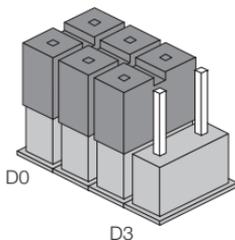
An entry and an exit delay can be set. In such case, sensors assigned to the "Delay Zone" will not trigger an alarm during the time of delay set. For example, if you assign a motion sensor to the Delay zone and you set the Entry/Exit Delay to 30 seconds, the motion sensor will not trigger an alarm within 30 seconds after you enter your home, and within 30 seconds before you leave, so that you can leave and enter your home without triggering an alarm. Refer to the instructions on page 15 or 26 of this manual to learn how to set the entry and exit delay.

It is recommended to assign the Door/Window Sensor to the Delay zone.



### Normal zone

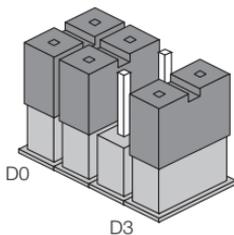
When the system is armed, and the sensor is triggered, the siren rings out. When the system is disarmed, sensors do not trigger an alarm.



### 24h zone

Regardless if the system is armed or disarmed, sensors assigned to the 24h zone will trigger an alarm.

It is recommended to set smoke detectors, gas detectors and outdoor beam sensors in the 24h zone.



Issue	Cause of malfunction	Solution
No response following interaction with the alarm panel	The alarm panel is switched off	Open the battery compartment and turn the power on
	Electricity grid failure	Contact your electricity provider
	Backup batteries are empty	Plug the AC adapter to an AC socket
Accessories cannot connect to the alarm panel	The alarm panel is not in Connection mode	Make sure the alarm panel is in Connection mode
	Accessories have not been triggered for connection	Make sure the accessory is triggered so to send a signal to the alarm panel
	When attempting the connection, the alarm panel beeps twice	The accessory has already been connected. Make sure you do not trigger any other accessory when connecting one accessory to the alarm panel. (e.g. do not stay in the detection scope of a motion sensor if it is not the one you want to connect)
No response from the alarm panel following commands from the remote control	The remote control has not been connected to the alarm panel	Follow the instructions on page 6 of this manual to connect the remote control to the panel
	Remote control is too far from the alarm panel	Transmission distance of the remote control: 80m (in open area)
		A signal repeater can be installed to increase the transmission distance
RFID tag fails to disarm the system	RFID tag has not been connected to the alarm panel	Follow the instructions on page 22 of this manual to connect the RFID tag to the alarm panel.



Hills Limited (ACN 007 573 417) gives a warranty of 12 months on this product and is subject to proof of purchase.

For the current warranty conditions please visit our website at [hills.com.au](http://hills.com.au) or contact your place of purchase.

Hills provides consumers with the following warranty in relation to this Product, in addition to complying with the requirements of any relevant legislation, including the Competition and Consumer Act 2010 (Cth) in Australia and the Consumer Guarantees Act 1993 in New Zealand (the Acts), except where a New Zealand consumer acquires the relevant Product for the purposes of a business.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

All expenses of claiming the warranty will be borne by the person making the claim.

**32****Notes****User profile:**

Name:

---

---

Address:

---

---

---

Postcode:

---

Phone:

---

Email:

---

---

---

**Retailer information:**

Name:

---

---

Address:

---

---

---

Postcode: 

---

Phone:

---

Invoice number:

---

Selling date:

---

---









**Hills Limited**

A.B.N. 35 007 573 417

Issue February 2015  
PM1004a

**HILLS.**<sup>TM</sup>